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## DATA SHEET

## ENV 900 – ANTI-GRAFFITI coating

<b>Substrate material:</b>	ENVIRAL <sup>®</sup> powder coating on aluminum, steel & steel galvanized
<b>Component measurements:</b>	up to l = 13,600 x w = 2,500 x h = 4,000 mm up to l = 17,500 x w = 1,000 x h = 2,000 mm <b>Exterior and interior application</b>
<b>Component weight:</b>	up to 3.000 kg
<b>Process:</b>	transparent, glossy top coat over ENVIRAL <sup>®</sup> powder coating
<b>Product description:</b>	Surface pre-treatment and 2-layer surface coating on a chromium-, lead-, cadmium- and solvent-free basis with ANTI-GRAFFITI properties
<b>Properties:</b>	The pre-treatment chemistry of aluminum is tested and approved by the "Gütegemeinschaft für Stückgutbeschichtung". The anti-graffiti powder coating does not have GSB approval. <ul style="list-style-type: none"> <li>• ANTI-GRAFFITI properties according to laboratory Dr. Kupfer, Gütegemeinschaft Anti Graffiti e.V., Berlin</li> <li>• Weather resistant</li> <li>• Good flow</li> <li>• Chromium-, lead-, cadmium- and solvent-free</li> </ul>
<b>Application:</b>	Coating of profiles, sheets and constructions made from aluminum, steel and steel galvanized for interior and exterior application

**Notes and Process restrictions:**

Recommended cleaning agent: Biolon G, Fa. Silco

Acetone or similar aggressive solvents should not be used for cleaning.

Due to the transparent ANTI-GRAFFITI top coat, there is a slight change in the base color.

Two-layer coating with up to 200µm layer thickness. Observe dimensional tolerances (e.g. glass strips).

Due to the reduced mechanical properties (2-layer coating), the usability of the coating must be checked on your own responsibility. Edging after coating is not possible. Drilling, milling, punching should only be carried out after your own tests.

In the case of difficult parts, the formation of drip noses may occur in the edging area.

Cavities and concealed areas (e.g. doublings) cannot be protected.

**Color tones:**

- Overcoating of all 180 RAL colors in smooth glossy finish
- Overcoating of other ENVIRAL powder effects

**Process description:**

- Pre-treatment and powder coating of the base coat (see ENV data sheets ENV 100 ff, 200 ff and 300 ff).
- Curing
- 2. Layer: ANTI-GRAFFITI Powder coating
- Curing

**Suspension:**

According to our suspension recommendations (compare data sheet ENV 800)

**Quality assurance:**

Continuing process control and order-specific quality assurance, destructive and non-destructive

**Packaging:**

Noppa foam, air cushion film

**Repair:**

According to our repair recommendations (compare data sheet ENV 802) Clear coat, glossy, UV-resistant. Apply top coat after touch-up.

**Cleaning:**

According to our cleaning recommendations (compare data sheet ENV 801)

**Sealant adhesion:**

According to sealant adhesion on powder-coated surfaces of facades (compare data sheet ENV 803)

Since the ANTI-GRAFFITI coating is chemically very resistant, all sealants must be tested before application. Use primers recommended by the manufacturer.

**Approvals:**

Environmental Product Declaration according to ISO 14025 and EN 15804:

EPD-VDL-20160263-IAG1-EN: Polyester powder coating

EPD-VDL-20160264-IAG1-EN: Epoxy powder coating

EPD-VDL-20160265-IAG1-EN: Hybrid powder coating

EPD-GDA-20190070-IBH1-EN: Aluminum profile coated